

## Sample Indiana Lesson Using the WIDA Standards Framework

GRADE: 6



*Special thanks to Peggy Young, Center Grove Elementary (Greenwood, IN) 5<sup>th</sup> grade Math teacher in creating this lesson.*

**ELD STANDARD:** Standard 3: The Language of Mathematics

**EXAMPLE TOPIC:** Surface Area

**CONNECTION:** *Indiana Academic Standard for Mathematics 2014 (MA.6.GM.6):* Construct right rectangular prisms from nets and use the nets to compute the surface area of prisms; apply this technique to solve real-world and other mathematical problems.

**EXAMPLE CONTEXT FOR LANGUAGE USE:** Students bring in a real life three dimensional object to discuss the mathematical terms of length, width, area, and quantity with a partner to demonstrate understanding of surface area.

**COGNITIVE FUNCTION:** Students at all levels of English language proficiency UNDERSTAND surface area.

	Level 1 Entering	Level 2 Emerging	Level 3 Developing	Level 4 Expanding	Level 5 Bridging	Level 6 - Reaching
SPEAKING	Name key terms in the student's calculation of surface area using real-life objects.	Restate the ordered steps of finding surface area using labeled visual supports.	Present the process of finding surface area using illustrated text.	Compare/contrast the process of finding surface area of three-dimensional objects versus area of two-dimensional objects using real-life objects.	Explain whether a surface area calculation is correct using real-life objects.	

**TOPIC-RELATED LANGUAGE:** Students at all levels of English language proficiency interact with grade-level words and expressions, such as: measure/measuring, multiply/multiplying, by (means to multiply)